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au	3,700,820	10/1972	Blasbalg et al.			
1	3,761,610	09/1973	Krallinger et al.			
	4,069,392	01/iè/ju	Goldenberg et al.			
	4,156,277	05/1979	Seitz et al.			
	4,292,623	09/1981	Eswaran et al.			
	4,320,513	03/1992	Lampert			
\sqcap	4,384,307	05/1983	Kuzmik et al.			
-11	4,385,206	05/1983	Bradshaw et al.			
\top	4,403,322	09/1983	Kato et al.			:
	4,425,665	01/1984	Stauffer		<u>† </u>	
\Box	4,458,314	07/1984	Grimes			
71	4,480,307	10/1984	Budde et al.	1		
71	4,570,220	02/1986	Tetrick et al.			
1	4,583,124	04/1986	Tsuji et al.			
	4,608,700	08/1986	Kirtley, Jr. et al.			
	4,630,126	12/1986	Kaku et al.	 		
11	4,646,232	02/1987	Chang et al.	1	†	
† †	4,667,192	05/1987	Schmid et al.			
T	4,675,865	06/1987	DeVries et al.	<u> </u>	 	
\Box	4,709,343	11/1987	Van Chang	†	 	
	4,744,079	05/1988	Csapo et al.			
	4,768,145	08/1988	Wheelwright et al.		 	
	* 4,802,189	01/1989	Wedler		 	
	4,811,262	03/1989	White	1	1	
	4,811,421	03/1989	Havel et al.	1	†	
	4,862,402	08/1989	Shah et al.	1		
	4,901,307	02/1990	Gilhousen et al.	1	1	
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gar	4,914,574	04/1990	Terada et al.			
11	5,022,049	06/1991	Abrahamson et al.			
	5,050,004	09/1991	Morton, Jr.			
	5,056,109	10/1991	Gilhousen et al.			
	5,084,900	01/1992	Taylor	-		
7	5,093,840	03/1992	Schilling			
	5,103,459	04/1992	Gilhousen et al.			
	5,105,423	04/1992	Tanaka et al.			
	5,109,390	04/1992	Gilhousen et al.			
	5,107,225	04/1992	Wheatley et al.			
1	5,113,525	05/1992	Andoh			
	5,115,429	05/1992	Huckyj et al.			
	5,117,385	05/1992	Gee	T		
	5,140,613	08/1992	Birgenheier et al.			
	5,159,283	10/1992	Jensen			<u> </u>
	5,159,551	10/1992	Brunnett et al.			
	5,166,951	11/1992	Schilling			
	5,166,952	11/1992	Omurg et al.			
	5,193,094	03/1993	Viterbi		1	
	5,199,061	03/1993	Kim			
	5,204,876	04/1993	Bruckert et al.			
	5,216,692	06/1993	Ling			
	5,224,120	06/1993	Schilling			
	5,228,054	07/1007	Rueth et al.			
	5,228,056	07/1993	Schilling			
l	5,235,614	08/1993	Bruckert et al.			
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gm	5,237,586	08/1993	Bottomley	-			
1	5,241,690	08/1993	Larsson et al.	1			
	5,245,629	09/1993	Hall				
	5,253,268	10/1993	Omura et al.				
	5,253,347	10/1993	Bagnoli et al.				
	5,257,283	10/1993	Gilhousen et al.				
	5,258,940	11/1993	Coker et al.				
	5,260,967	11/1993	Schilling				
	5,262,974	11/1993	Hausman et al.				
	5,265,119	11/1993	Gilhousen et al.	1			
	5,267,262	11/1993	Wheatley, III				
	5,274,474	12/1993	Medina				
	5,276,684	01/1994	Pearson				
	5,276,907	04/1994	Meidan				
	5,283,536	02/1994	Wheatley, III				
	5,287,299	02/1994	Lin				
	5,287,463	02/1994	Frame et al.				
	5,295,152	03(1904	Gudmundson et al.				
	5,297,162	03/1994	Lee et al.	1			
	5,299,226	03/1994	Schilling				
	5,299,228	03/1994	Hall				
	5,305,349	04/1994	Dent				
	5,309,474	05/1994	Gilhousen et al.	1			
	5,311,459	05/1994	D'Luna et al.				
	5,321,721	06/1994	Yamaura et al.				
7	5,327,455	07/1994	DeGaudenzi et al.				

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OM	5,327,467	07/1994	NAME DeGaudenzi et al.	CLASS	SUBCLASS	APPROPRIATE
19701	5,329,547	07/1994	Ling et al.			
-	5,339,174	08/1994		 		
	5,339,174	08/1994	Harris	 		
- -			Higgins et al	-		
	5,341,397	08/1994	Gudmundson	 		· · · · · · · · · · · · · · · · · · ·
	5,343,335	08/1994	Hara			
	5,345,598	09/1994	Dent			
	5,347,536	09/1994	Meehan			
	5,349,606	09/1994	Lovell et al.			
	5,351,134	09/1994	Yaguchi et al.			
	5,353,302	10/1994	Bi			
	5,353,352	10/1994	Dent et al.			
	5,355,453	10/1994	Row et al.	1		
	5,361,276	11/19994	Subrmanian	1		
	5,363,377	11/1994	Sharpe	 		
	5,365,544	11/1994	Schilling	 		
	5,365,585	11/1994	Puhl et al.			
	5,367,533	11/1994	Schilling	·		
	5,373,502	12/1994	Turban			
11	5,377,183	12/1994	Dent	 		
	5,379,242	01/1995	Rose et al.	 		
	5,392,287	02/1995	Tiedemann, Jr. et al.	+		
11	5,396,516	03/1995	Padovani et al.	 		
1-1-	5,396,539	03/1995	Sleyks et al.	 		
	5,398,243	03/1995	Aguilhon et al.	1	 	
	5,404,376	04/1995	Dent	 		
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gm	5,406,559	04/1995	Edem et al.			
1	5,410,568	04/1995	Schilling		<u> </u>	
11	5,414,728	05/1995	Zehavi			
71	5,414,729	05/1995	Fenton			
1	5,414,732	05/1995	Kauffman			
	5,416,797	05/1995	Gilhousen et al.			
	5,418,624	05/1995	Ahmed	1	1	
	5,420,850	05/1995	Umeda et al.			
	5,420,864	05/1995	Dahlin et al.			
	5,420,896	06/1995	Schilling			
1	5,430,724	07/1995	Fall et al.			
1	5,430,760	07/1995	Dent			
	5,440,597	08/1995	Chung et al.			
	5,442,662	08/1995	Fukasawa et al.			
	5,442,625	08/1995	Gitlin et al.			
	5,446,683	08/1995	Mullen et al.			
	5,446,756	08/1995	Mallinckrodt			
	5,448,600	09/1995	Lucas			
	5,459,759	10/1995	Schilling			
	5,483,549	01/1200	Weinberg et al.			
	5,485,486	01/1996	Gilhousen et al.		<u> </u>	
	5,487,089	01/1996	Misaizu et al.		T	
	5,488,629	01/1996	Takahashi et al.			
	5,506,864	04/1996	Schilling	1		
	5,509,126	04/1996	Oprescu et al.			
'	5,519,736	05/1996	Ishida			

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J914	5,528,593	06/1996	English et al.				
/	5,528,624	06/1996	Kaku et al.				
	5,544,156	08/1996	Teder et al.				
	5,548,613	08/1996	Kaku et al.				
	5,550,811	08/1996	Kaku et ål.				
	5,559,790	09/1996	Yano et al.				
	5,561,669	10/1996	Lenny et al.				
	5,563,912	10/1996	Yasunga				
	5,568,483	10/1996	Padovani et al.				
	5,574,754	11/1996	Kurihara et al.				
	5,574,983	11/1996	Duozono et al.				
	5,594,718	01/1997	Weaver, Jr. et al.				
	5,596,570	01/1997	Soliman				
	5,604,730	02/1997	Tiedemann, Jr.				
	5,619,524	04,1957	Ling et al.				
	5,619,526	04/1997	Kim et al.			· · · · · · · · · · · · · · · · · · ·	
	5,627,835	05/1997	Witter	1			
1	5,627,855	05/1997	Davidovici				
	5,638,362	06/1997	Dohi et al.				
	5,644,590	07/1997	Sugita				
	5,652,765	07/1997	Adachi et al.				
1	5,654,980	08/1997	Latva-aho et al.				
1	5,657,343	08/1997	Schilling				
	5,673,286	09/1997	Lomp				
	5,675,581	10/1997	Soliman				
	5,691,974	11/1997	Zehavi et al.				
	5,692,008	11/1997	Van Nee				
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Jan		5,710,768	03/1999	Ziv et al.			
41		5,712,869	01/1998	Lee et al.			
\perp		5,722,051	02/1998	Agrawal et al.			
11		5,745,484	04/1998	Scott			
1		5,748,687	05/1998	Ozluturk			
		5,771,451	06/1998	Takai et al.			
		5,781,584	07/1998	Zhou et al.			
		5,790,591	09/1998	Gold et al.			
		5,796,776	08/1998	Lomp et al.			
		5,812,593	09/1998	Kaku			
		5,828,662	10/1998	Jalali et al.			
		5,841,768	11/1998	Ozluturk et al.			
		5,870,378	02/1999	Huang et al.			
		5,872,810	02/1999	Phillips et al.			
		5,875,400	02/1999	Madhavapeddy et al.			
		5,878,329	03/1999	Mallinckrodt			
		5,878,350	03/1999	Nakamura et al.			
		5,881,056	03/1999	Huang et al.			
		5,881,368	03/1999	Grob et al.			
		5,884,187	03/1999	Ziv et al.	1		
		5,884,196	03/1999	Lekven et al.			
		5,898,665	04/1999	Sawahashi et al.		†	
		5,940,382	08/1309	Haim		1	
		5,953,346	09/1999	Luddy	-		
		5,966,403	10/1999	Pon			
†		5,991,332	11/1999	Lomp et al.	1		
		6,018,528	01/2000	Gitlin et al.		 	
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()94/1	6,072,787	06/2000		ļ		
V ₁	6,088,335	07/2000	l et al.		-	
\perp	6,049,535	04/2000	Ozluturk et al.			
	6,104,748	08/2000	Kaku			
	6,122,292	09/2000	Watanabe et al.	•		
	6,141,374	10/2000	Burns			
	6,212,174	04/2001	Lomp et al.			
	6,229,843	05/2001	Lomp et al.			
	6,272,168	08/2001	Lomp et al.	1		•
	6,292,519	09/2001	Popovic	1		
	6,381,264	04/2002	Lomp et al.			
	6,434,124	08/2002	Rege	1		
	6,463,295	10/2002	Yun			
	6,519,461	02/2003	Andersson et al.			
	6,549,565	04/2003	Buehrer et al.			
	6,587,447	07/2003	Wang et al.			
	6,654,613	11/2003	Maeng et al.	<u> </u>		
	6,708,041	03/2004	Butovitsch et al.			
11	6,721,301	04/2004	Ozluturk et al.	1	 	
1-1-	6,760,321	.07/2004	Shamsunder			
11	6,763,244	07/2004	Chen et al.	 		
11	6,778,551	08/2004	Magnus et al.		1	
11	2003/0193914	10/2003	Lomp et al.	+		

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	H583381	04/18/55	JP					
	H66374	01/1994	JP [·]					
	H6104694	04/1994	JP					
	H758665	03/1995	JР					
	H7273600	10/1995	JP					
	H6104829	01/1996	JP		•			
	9013942	1990	WO				-	
	9200639	01/1992	WO					
	9221196	11/1992	WO					
	9307702	04/1993	WO					
	9314588	07/1993	WO					
	9428640	12/1994	WO				-	
	9503652	02/1995	WO					
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